

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

COMBINATION THERMAL WAVE AND OPTICAL SPECTROSCOPY MEASUREMENT SYSTEM

the specification of which (check one) ☐ is attached hereto or ☒ was filed on February 8, 2000 as Application No. 09/499,974 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			Priority Claimed	
			Yes	No
Number	Country	Day/Month/Year Filed	_____	_____
Number	Country	Day/Month/Year Filed	_____	_____

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) below.

Application Number	Filing Date
Application Number	Filing Date

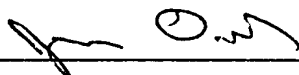
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status: Patented, Pending, Abandoned
Application Number	Filing Date	Status: Patented, Pending, Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jon Opsal

Inventor's signature



Feb 16, 2000

Date

Residence 2295 Norwood Road, Livermore, CA 94550

Citizenship U.S.A.

Post Office Address 2295 Norwood Road, Livermore, CA 94550

Full name of second joint inventor, if any, Minna Hovinen

Inventor's signature



Feb 16, 2000

Date

Residence 811 Neon Terrace, Fremont, CA 94536

Citizenship Finland

Post Office Address 811 Neon Terrace, Fremont, CA 94536

Docket No.: TWI-11200-(US)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Jon Opsal, et al.

Serial No.: 09/499,974

Group Art Unit: 2877

Filed: February 8, 2000

Examiner: Not Yet Assigned

For: COMBINATION THERMAL WAVE AND
OPTICAL SPECTROSCOPY
MEASUREMENT SYSTEM

POWER OF ATTORNEY BY ASSIGNEE

Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:

THERMA-WAVE, INC., assignee of the entire right title and interest in the above-identified application by assignment dated February 16, 2000, which assignment was recorded in the Patent and Trademark Office on May 1, 2000, at Reel 10789, Frame 124, hereby appoints the members of the firm of LIMBACH & LIMBACH L.L.P., a firm composed of:

Karl A. Limbach, 18,689; George C. Limbach, 19,305; John K. Uilkema, 20,282; Neil A. Smith, 25,441; Veronica Colby Devitt, 29,375; Ronald L. Yin, 27,607; Gerald T. Sekimura, 30,103; Michael A. Stallman, 29,444; Philip A. Girard, 28,848; Michael J. Pollack, 29,098; Stephen M. Everett, 30,050; Alfred A. Equitz, 30,922; Charles P. Sammut, 28,901; Mark C. Pickering, 36,239; Patricia Coleman James, 37,155; Kathleen A. Frost, 37,326; Alan A. Limbach, 39,749; Douglas C. Limbach, 35,249; Seong-Kun Oh (recognition under 37 CFR 10.9(b); Cameron A. King, 41,897; Kyla L. Harriel, 41,816; Mayumi M. Maeda, 40,075; Michael R. Ward, 38,651; Roger S. Sampson, 44,314; Charles L. Hamilton, 42,624; Andrew V. Smith, 43,132; Eric N. Hoover, 37,355; Frank J. Mycroft, P-46,946; Parisa Jorjani, P-46,813; J. Thomas McCarthy, 22,420; and Joel G. Ackerman, 24,307.

as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

Limbach & Limbach L.L.P.
Attn: Michael A. Stallman
2001 Ferry Building
San Francisco, California 94111
Telephone: 415 433-4150
Fax: 415 433-8716

For: THERMA-WAVE, INC.



Allan Rosencwaig
Chairman

Dated: 7/28/00



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 18, 2000

PTAS

LIMBACH & LIMBACH L.L.P.
MICHAEL A. STALLMAN
2001 FERRY BUILDING
SAN FRANCISCO, CALIFORNIA 94111



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JUL 24 2000

LIMBACH & LIMBACH LLP

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/01/2000

REEL/FRAME: 010789/0124

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

OPSAL, JON

DOC DATE: 02/16/2000

ASSIGNOR:

HOVINEN, MINNA

DOC DATE: 02/16/2000

ASSIGNEE:

THERMA-WAVE, INC.
1250 RELIANCE WAY
FREMONT, CALIFORNIA 94539

SERIAL NUMBER: 09499974

FILING DATE: 02/08/2000

PATENT NUMBER:

ISSUE DATE:

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

5.1-00

05-19-2000



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Tradem

101361598

1 documents or copy thereof.

1. Name of conveying party(ies)

Jon Opsal
Minna Hovinen

OPR/FINANCE

Address of receiving party(ies):

Name: THERMA-WAVE, INC.

Internal Address: 1250 Reliance Way

Street Address: 1250 Reliance Way

City, State and Zip: Fremont, California 94539

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

Additional Name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 2/16/2000 & 2/16/2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/499,974

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael A. Stallman

Internal Address: Limbach & Limbach L.L.P.
Street Address: 2001 Ferry Building
City, State, ZIP: San Francisco, California 94111
Telephone: (415) 433-4150
Facsimile: (415) 433-8716

Attorney Docket No. TWI-11200

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☒ Enclosed
☒ Charge any deficiencies in the enclosed fee to
Deposit Account No. 12-1420
☐ Authorized to be charged to deposit account

8. Deposit account number: 12-1420

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael A. Stallman, Reg. No. 29,444
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20213, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

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ASSIGNMENT

WHEREAS, WE, Jon Opsal and Minna Hovinen, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: COMBINATION THERMAL WAVE AND OPTICAL SPECTROSCOPY MEASUREMENT SYSTEM

Application (Declaration/Oath) Execution Date: February 16, 2000

Filing Date: Feb. 8, 2000 Application No.: 09/499,974

WHEREAS, THERMA-WAVE, INC., a corporation of the State of Delaware, 1250 Reliance Way, Fremont, California 94539 hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: Feb 16, 2000

Jon Opsal

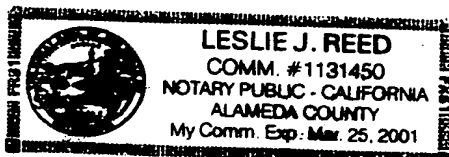
State of California
County of Alameda

On 2-16-00 before me, LESLIE J. REED

personally appeared JON OPSAL personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed
Signature of Notary



IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: Feb 16, 2000

Minna Hovinen

Minna Hovinen

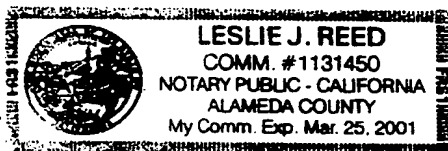
State of California

County of Alameda

On 2-16-00 before me, LESLIE J. REED

personally appeared MINNA HOVINEN personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Leslie J. Reed
Signature of Notary